

First Announcement and Call for Papers

INTERNATIONAL CONFERENCE
DEFORMATION and FRACTURE
in
STRUCTURAL PM MATERIALS
DF PM 2005



organised jointly by the
Institute of Materials Research,
Slovak Academy of Sciences, Košice,
Slovakia
and



Vienna University of Technology,
Austria



under the auspices of
European Powder Metallurgy Association



main sponsor
Högabä AB, Högabä, Sweden



Stará Lesná, Slovak Republic
27 September – 1 October 2005

Conference Co-Chairmen

L. Parilák, IMR SAS Košice, Slovakia

H. Danninger, TU Vienna, Austria

General Information

The Conference represents a continuation of International Conferences on Powder Metallurgy organized in the former Czecho-Slovakia at regular intervals since 1962. It directly follows the International P.M. Conferences, held in Stará Lesná in 1996, 2002 and in Piešťany in 1999.

DF PM 2005 will take place in the year when IMR SAS, Košice celebrates the 50th jubilee of the founding of the Institute.

The conference precedes the EPMA-organised - EURO PM2005 congress to be held in Prague, Czech Republic, on 3-5 October 2005. There is a direct fast train connection between Poprad [nearest main railway station] and Prague and between the airport of Kosice and Prague by plane. Local transport from Stara Lesna to Poprad and Kosice will be assured.

Aims and Scope

The established orientation of DF PM international conferences is fundamentals of material properties. The aim of the Conference is to promote information exchange between scientists, researchers and industrial engineers with the aim of improving the properties, lifetime and reliability of structural PM materials in service applications. Furthermore a closer international cooperation in the field of deformation and fracture behaviour of these materials will be promoted. An exhibition of equipment and devices is also planned.

Topics

- formation and microstructure development of sintered materials
- nanomaterials in PM area
- mechanical properties (static, dynamic, fatigue, high-temperature, ...)
- failure, fracture toughness, durability and reliability
- gradient and multilayered materials (coatings)
- relation between microstructure, properties and fracture mechanisms
- application of PM materials under complex stress and exploitation conditions

Materials of Interest

Mainly ferrous and non-ferrous metals, intermetallics, superalloys, composites and other PM materials

Call for Papers

The Conference will include invited lectures, oral and poster contributions. All contributions presented will be published in the Conference Proceedings. Authors are requested to submit abstracts (minimum 100, maximum 300 words) together with the Pre-Registration Form filled in. Three ways of registration are possible:

- to fill on line form on the Conference Web Page
- to send the requested information by e-mail
- to fill this Pre-Registration form and return to the address of the Conference.



Venue

The conference will take place in the Congress Centre Academia in Stará Lesná. The venue is situated about 2 km from Tatranská Lomnica and 15 km from Poprad. The conference centre is in a beautiful, natural location at the foot of Lomnica Peak in the High Tatras. Numerous excursions are possible in the High Tatras National Park and to the neighbouring natural areas (Belianske Tatras, Western Tatras, Low Tatras) and to the famous historical towns of this region. A social programme will be arranged.

Languages

The official Conference languages will be English. The abstracts and papers have to be prepared in English.

Deadlines

January 31, 2005	Preliminary Registration with Abstracts
February 28, 2005	Acceptance Notification
April 15, 2005	Mailing of the Second Announcement with the Programme
May 20, 2005	Submitting of the Manuscripts
July 15, 2005	Final Registration and Payment
Sept. 27 – Oct. 1, 2005	DF PM 2005 Conference

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